

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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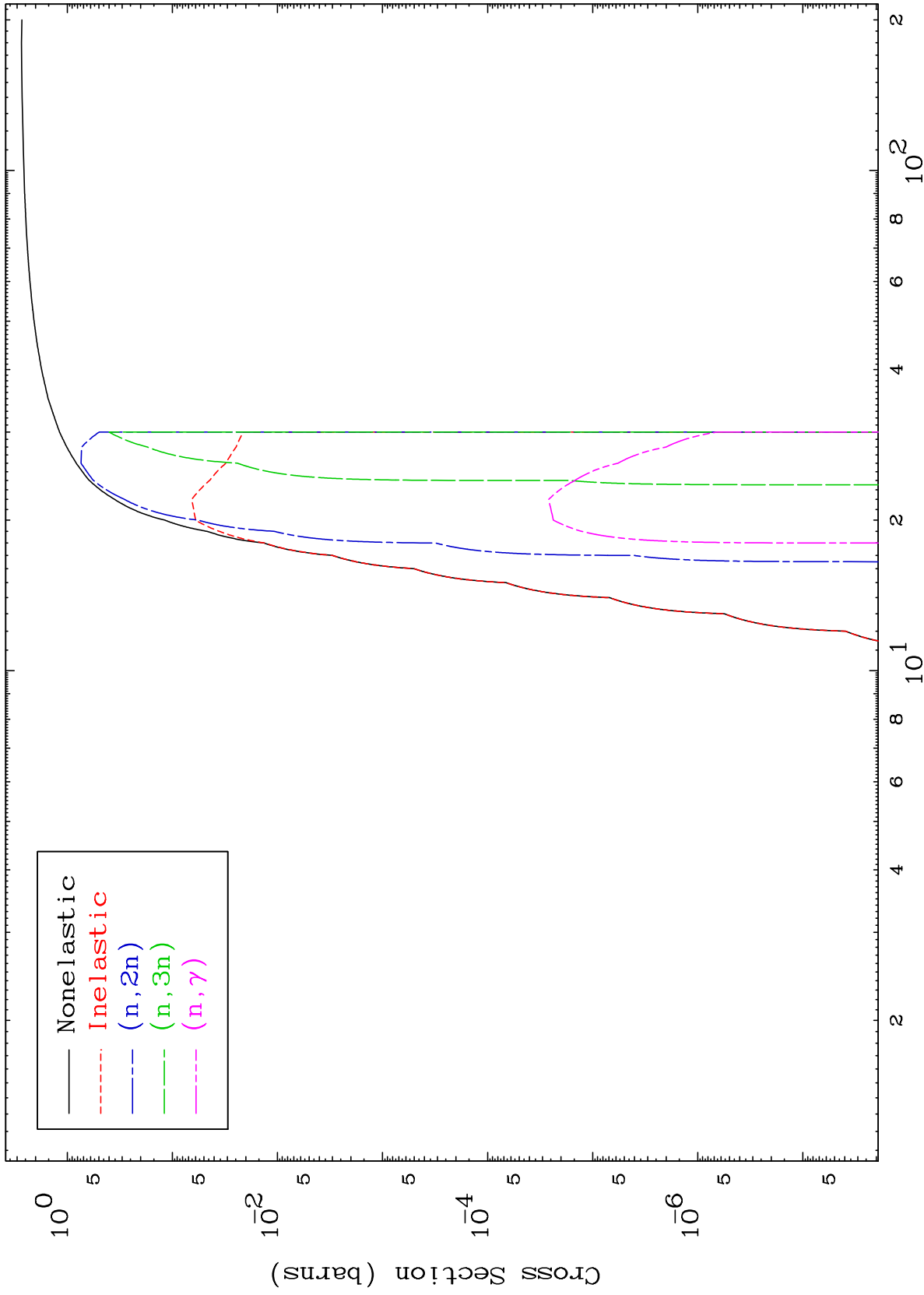
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7730

0 Kelvin α Major

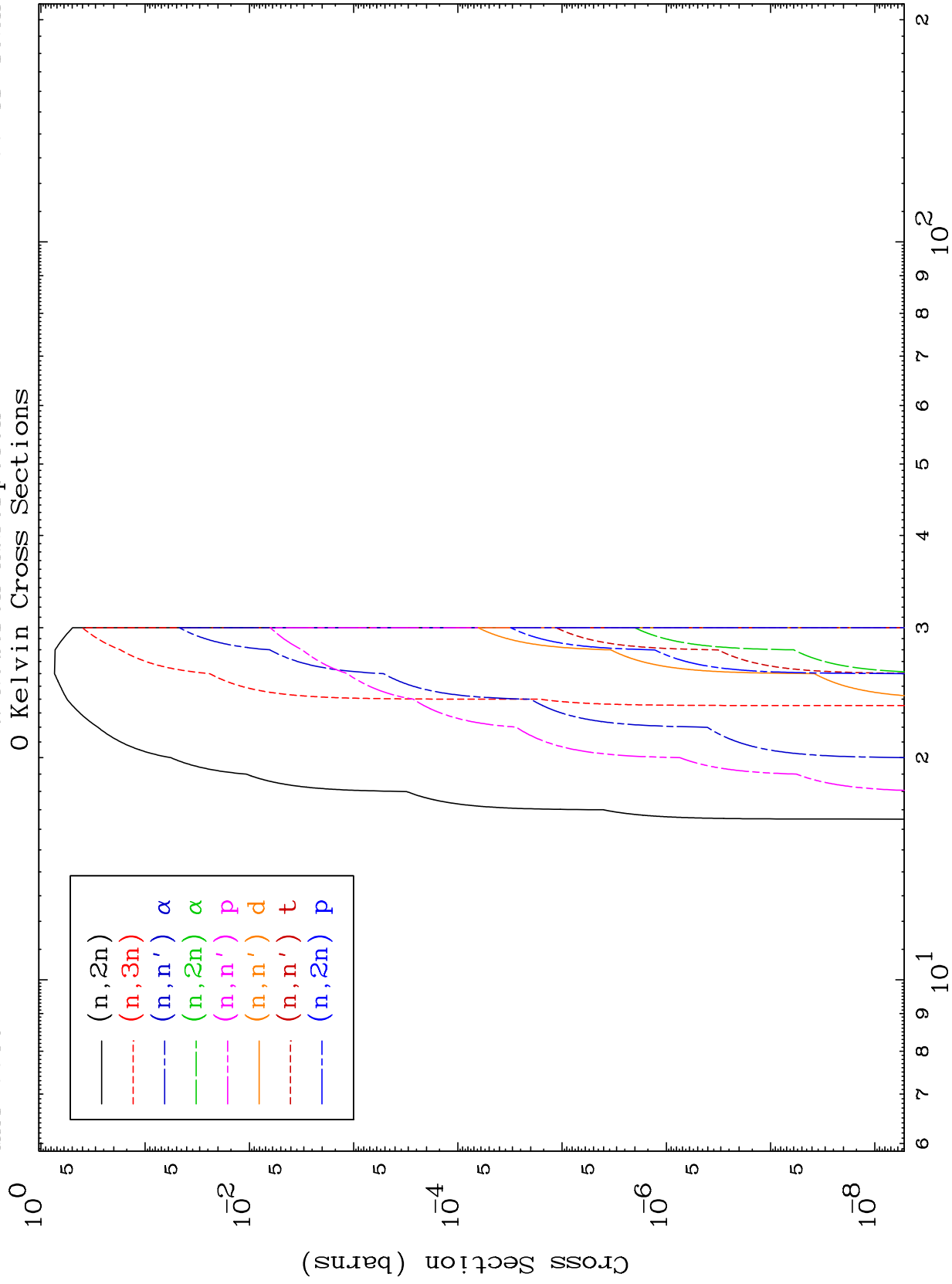
$^{77}\text{Ir-192n}$



MAT 7730

α Neutron Absorption
0 Kelvin Cross Sections

77-Ir-192n



2

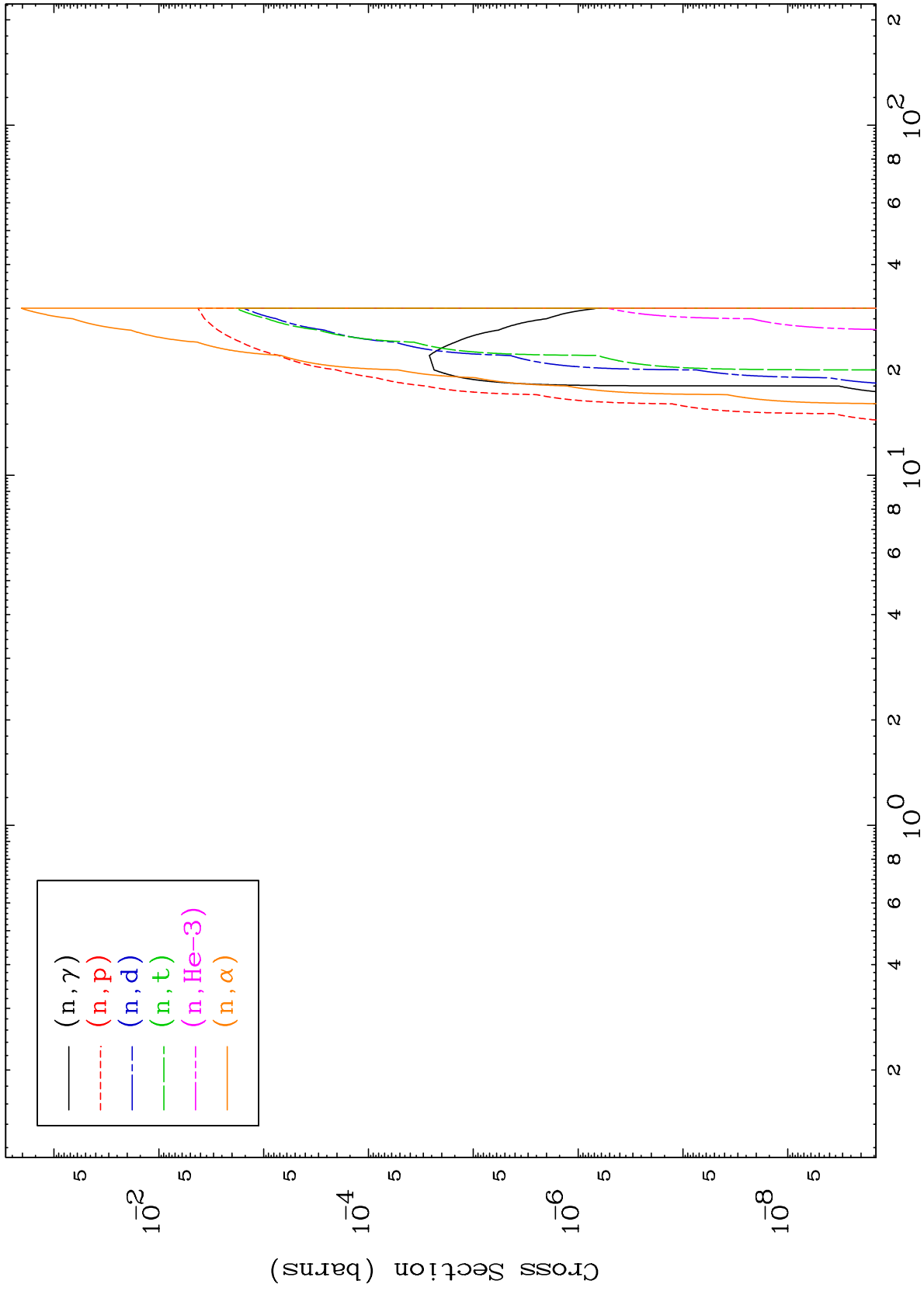
Incident Energy (MeV)

77-Ir-192n

MAT 7730

α Neutron Absorption
0 Kelvin Cross Sections

⁷⁷Ir-192n



3

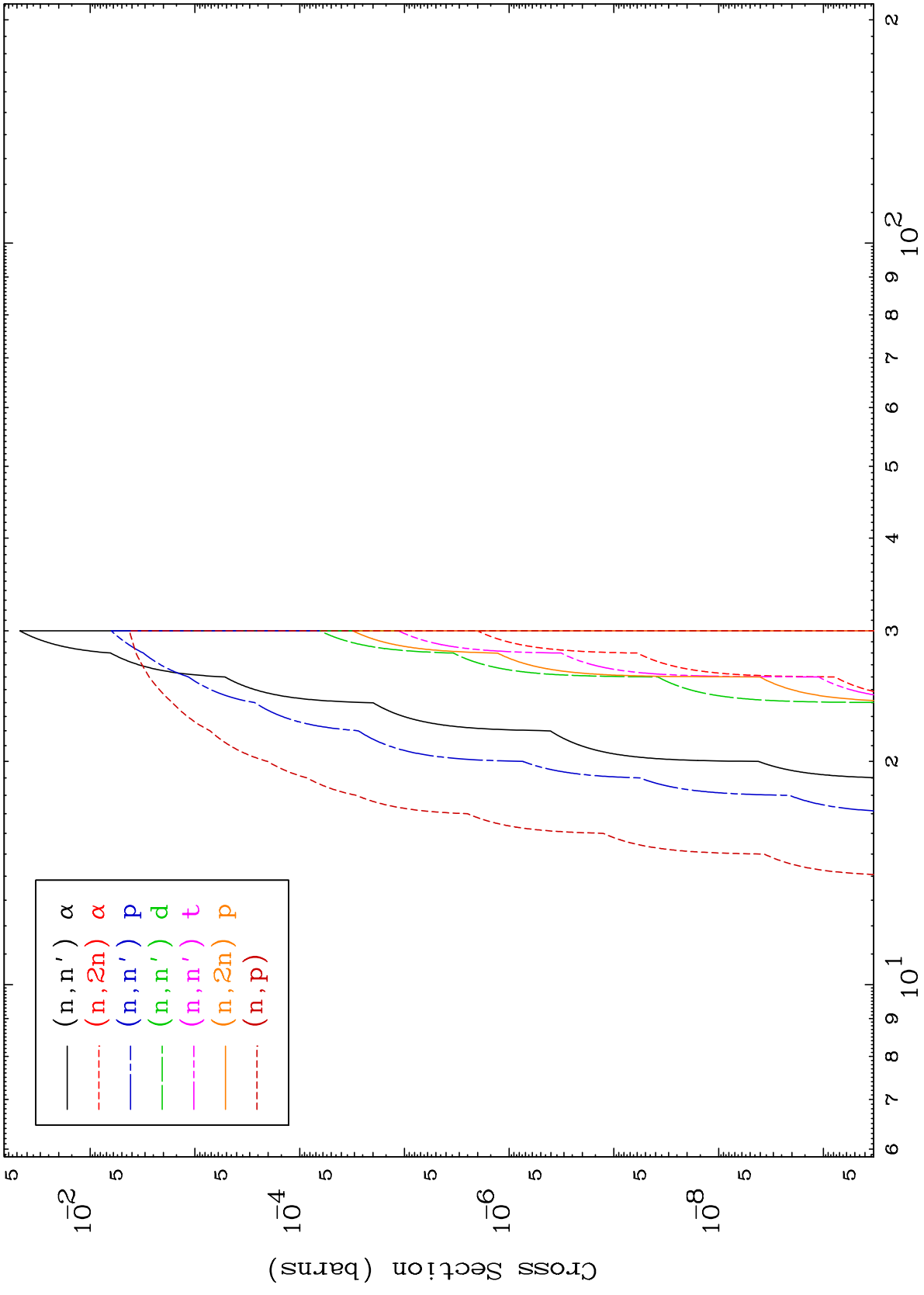
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

α Charged Particle
0 Kelvin Cross Sections

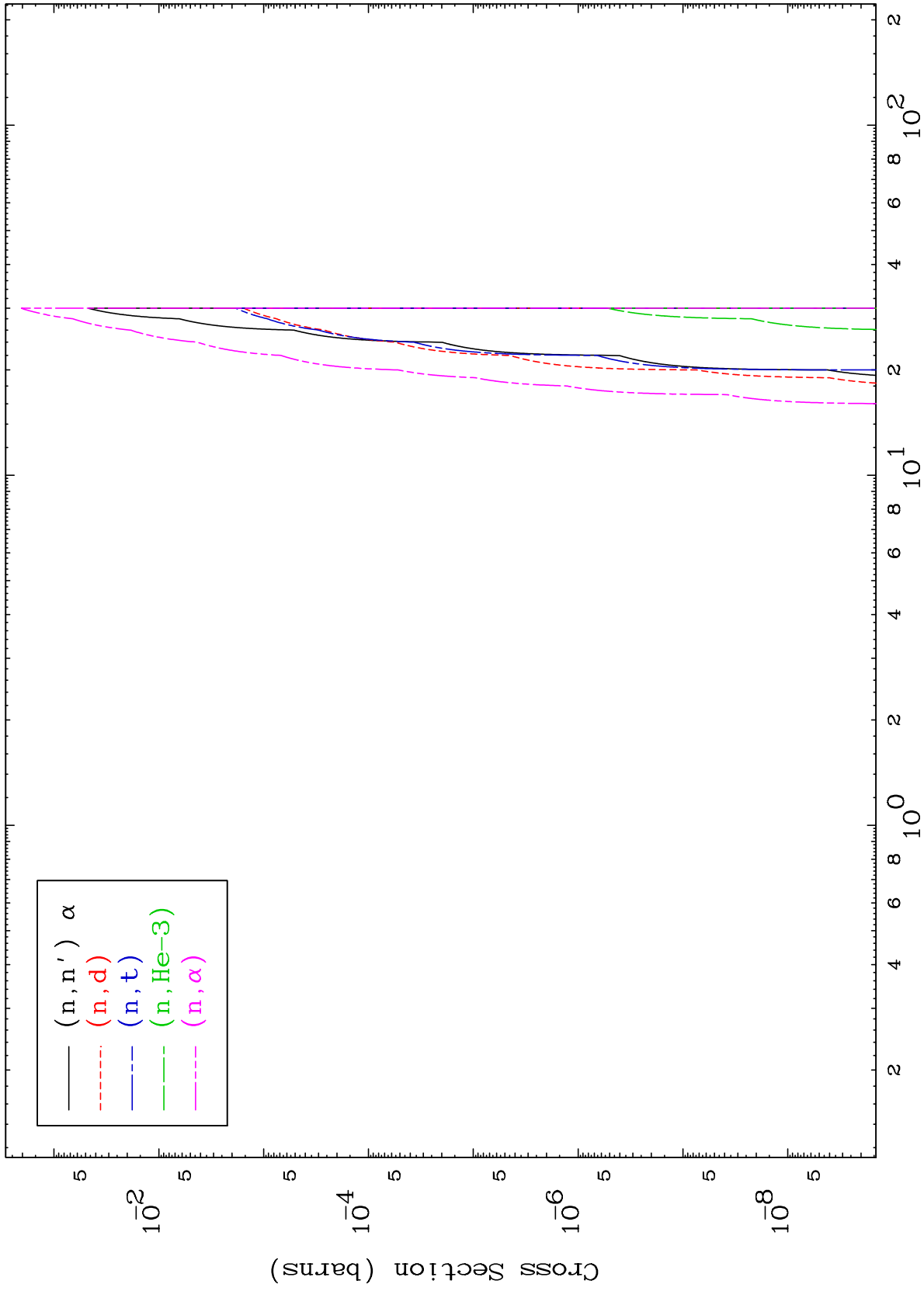
77-Ir-192n



MAT 7730

α Charged Particle
0 Kelvin Cross Sections

77-Ir-192n



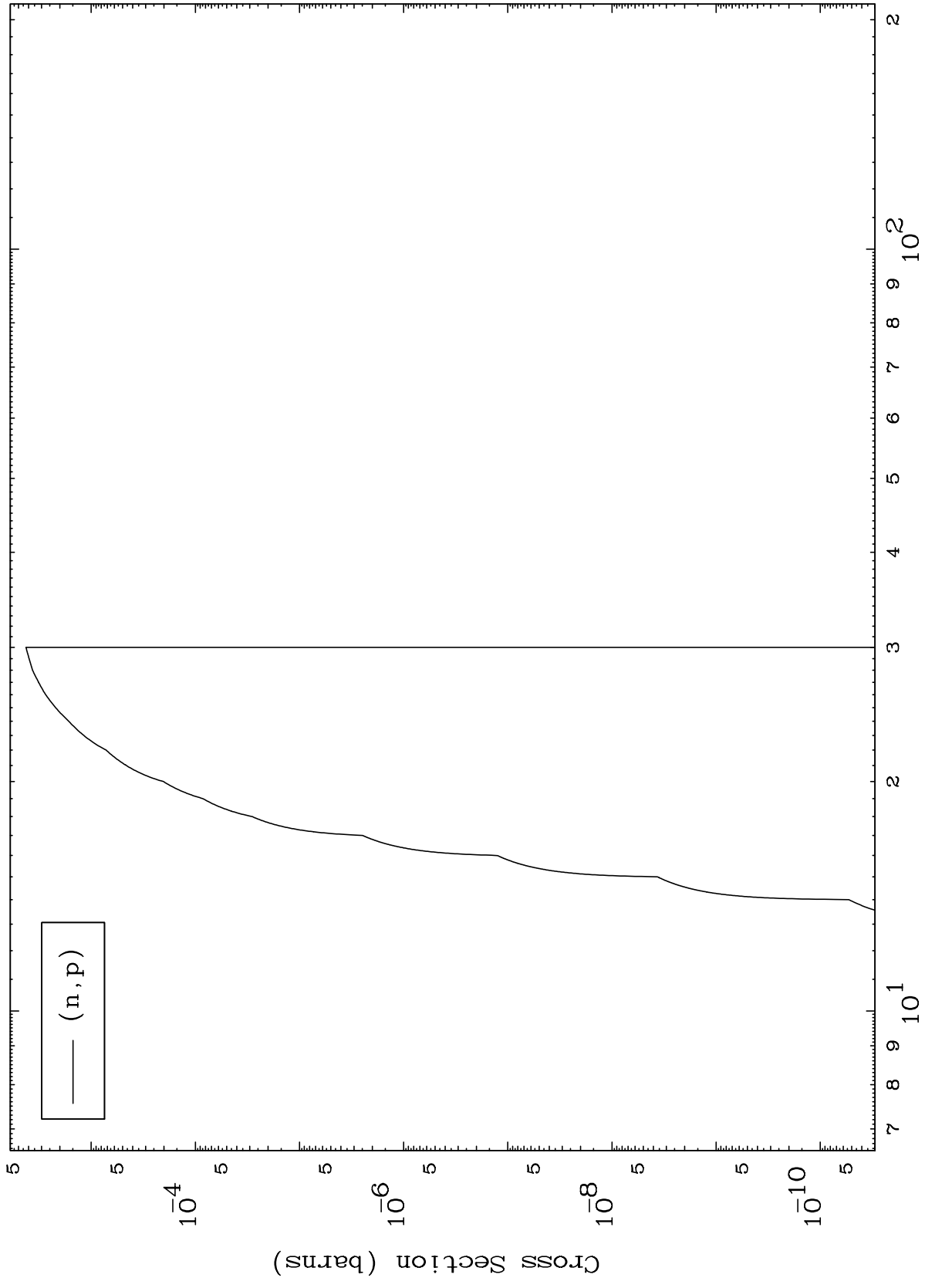
5

77-Ir-192n

MAT 7730

(α, p) Levels
0 Kelvin Cross Sections

$^{77}\text{Ir-192n}$



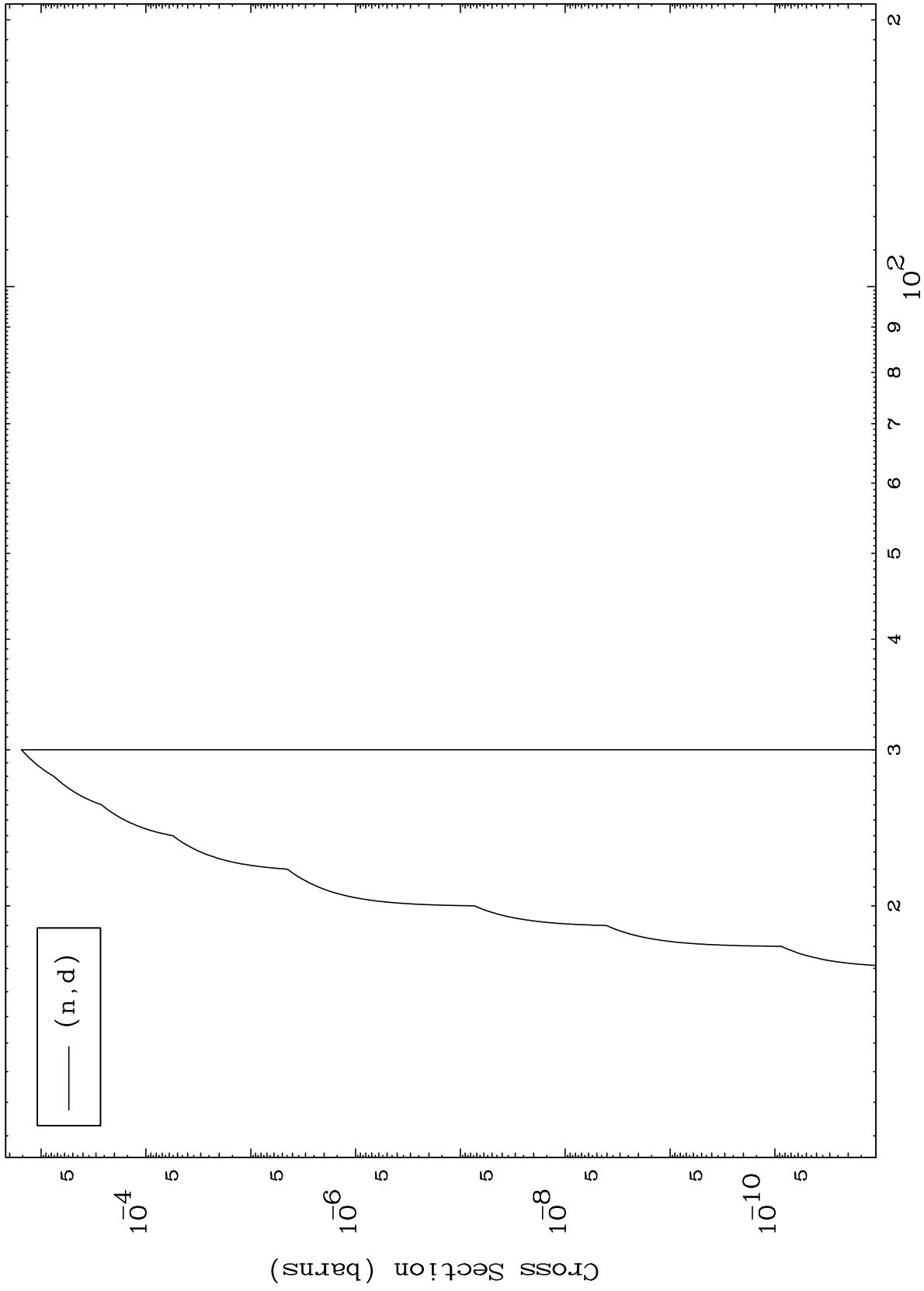
6

$^{77}\text{Ir-192n}$

MAT 7730

(α, d) Levels
0 Kelvin Cross Sections

$^{77}\text{Ir-192n}$



7

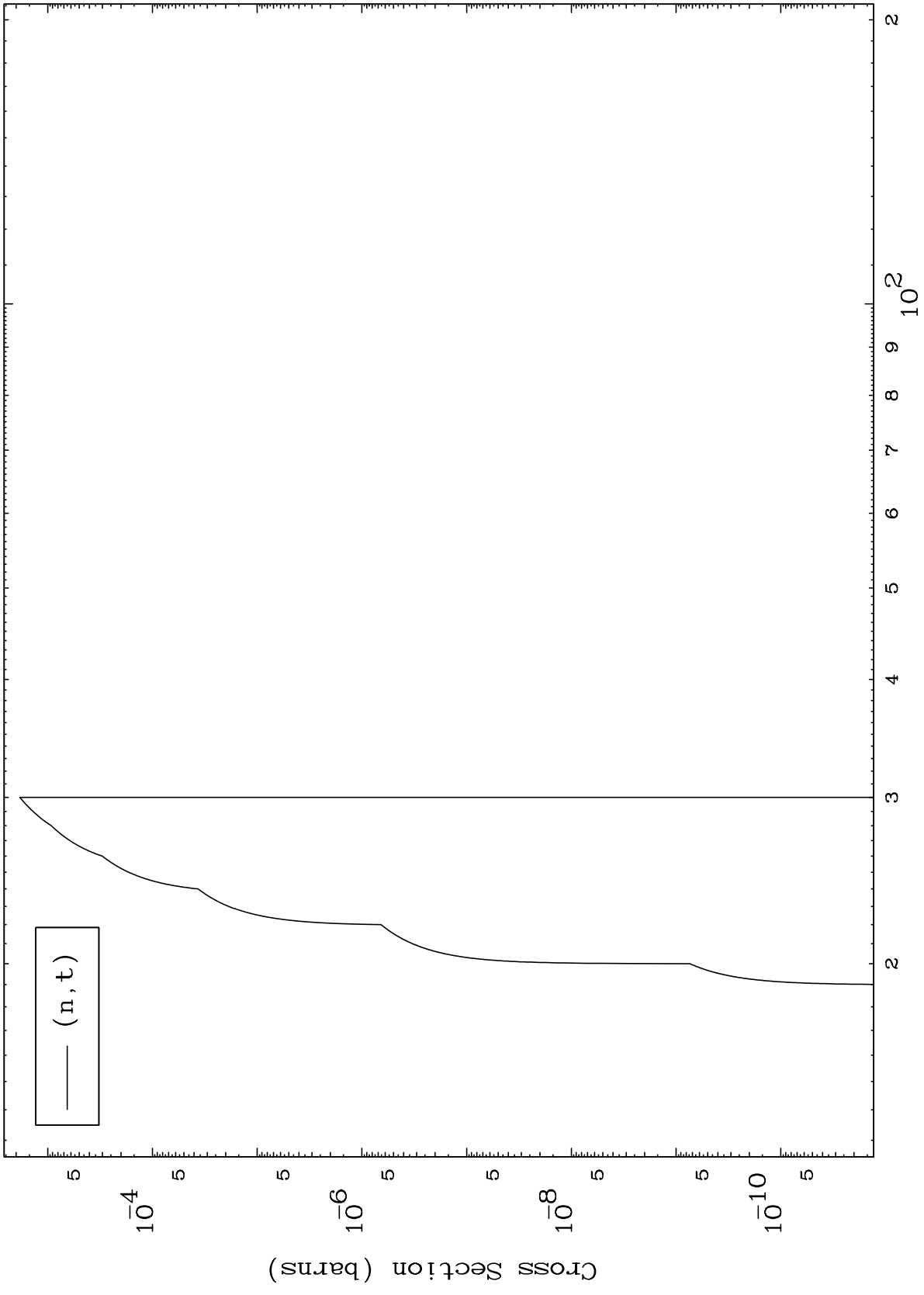
Incident Energy (MeV)

$^{77}\text{Ir-192n}$

MAT 7730

(α, t) Levels
0 Kelvin Cross Sections

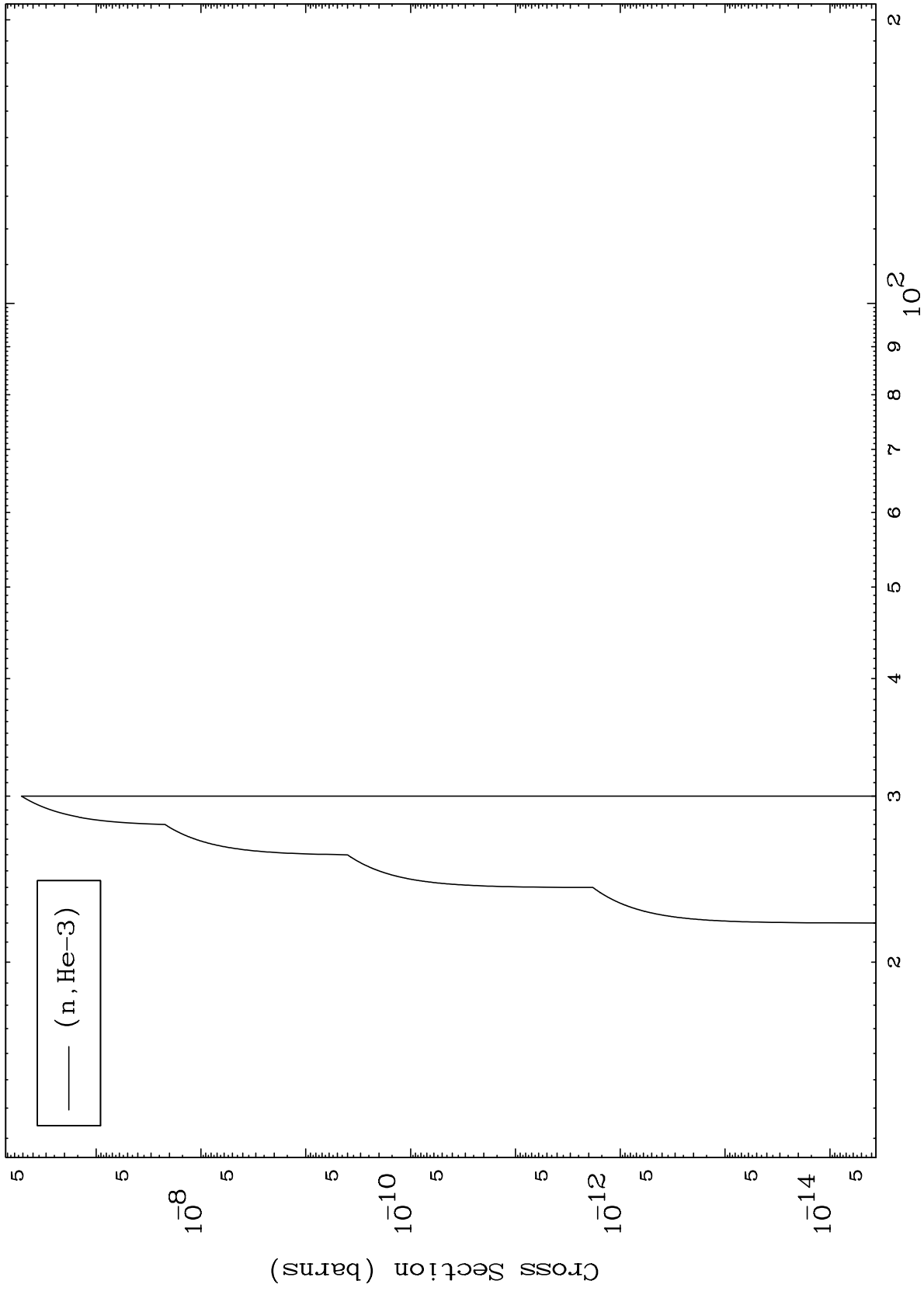
⁷⁷Ir-192n



MAT 7730

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

$^{77}\text{Ir}-192\text{n}$



9

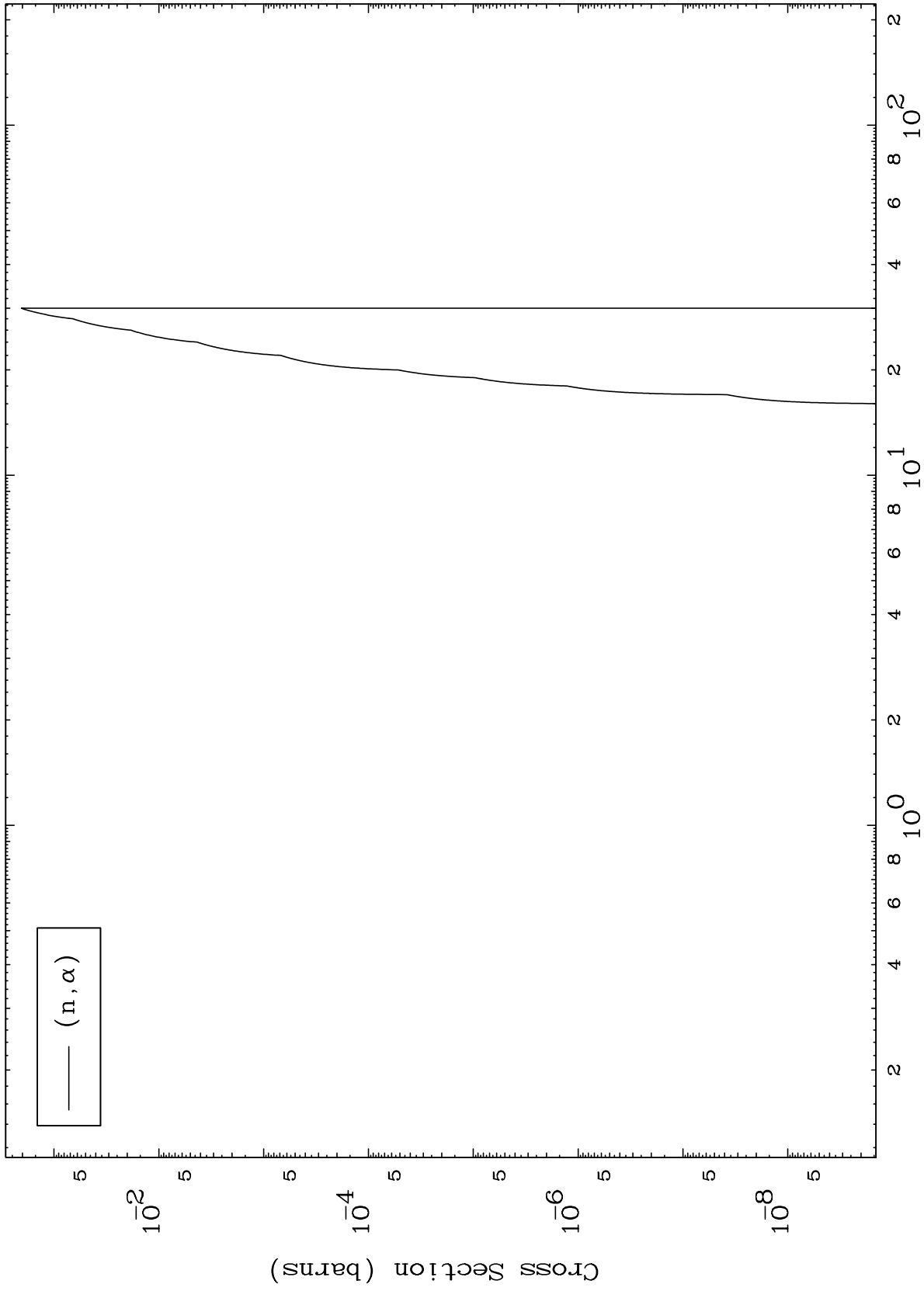
Incident Energy (MeV)

$^{77}\text{Ir}-192\text{n}$

MAT 7730

(α, α) Levels
0 Kelvin Cross Sections

⁷⁷Ir-¹⁹²n



10

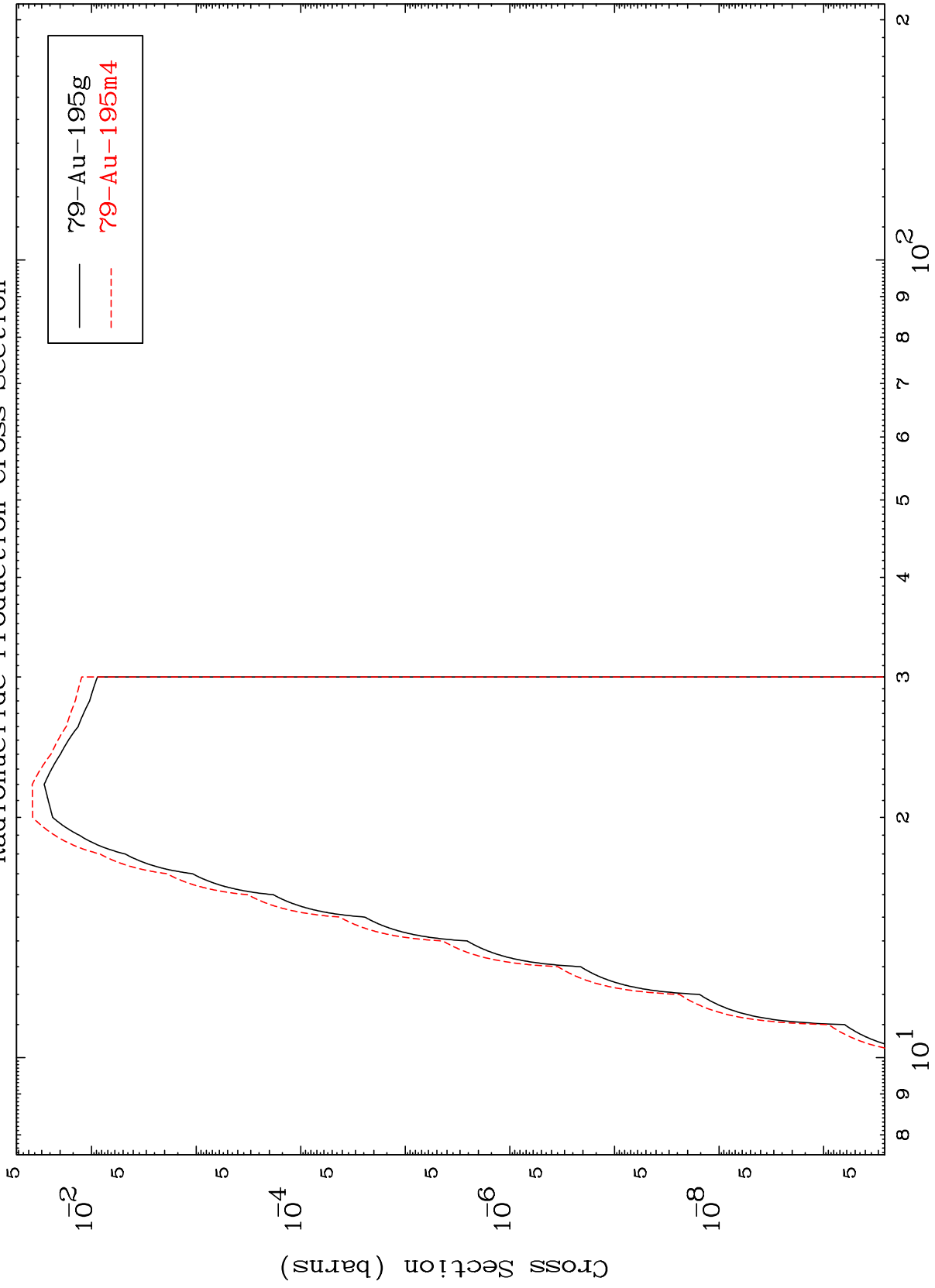
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

⁷⁷Ir-¹⁹²n

Inelastic
Radionuclide Production Cross Section



11

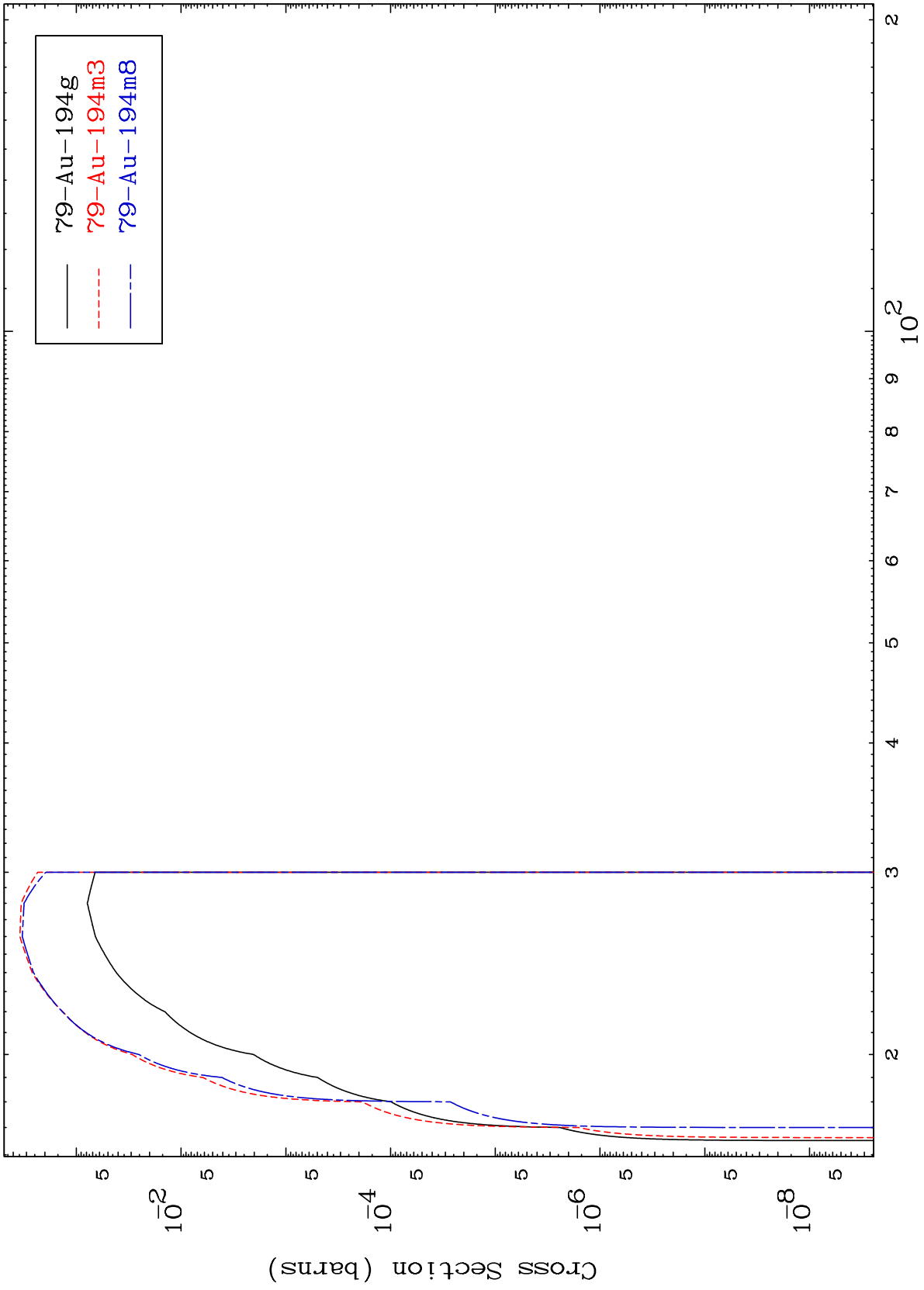
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



12

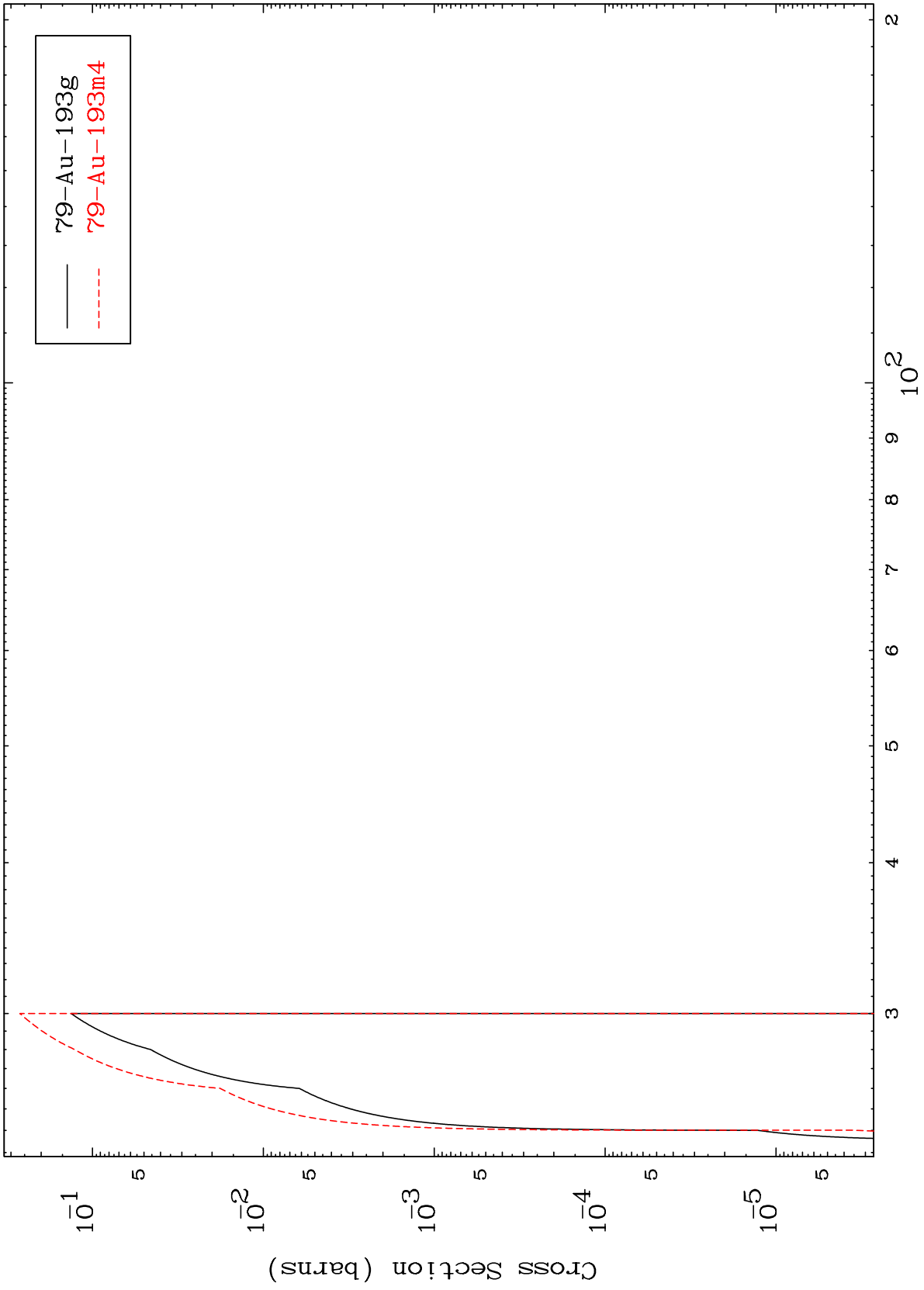
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

⁷⁷Ir-192n

(n,3n)
Radionuclide Production Cross Section



13

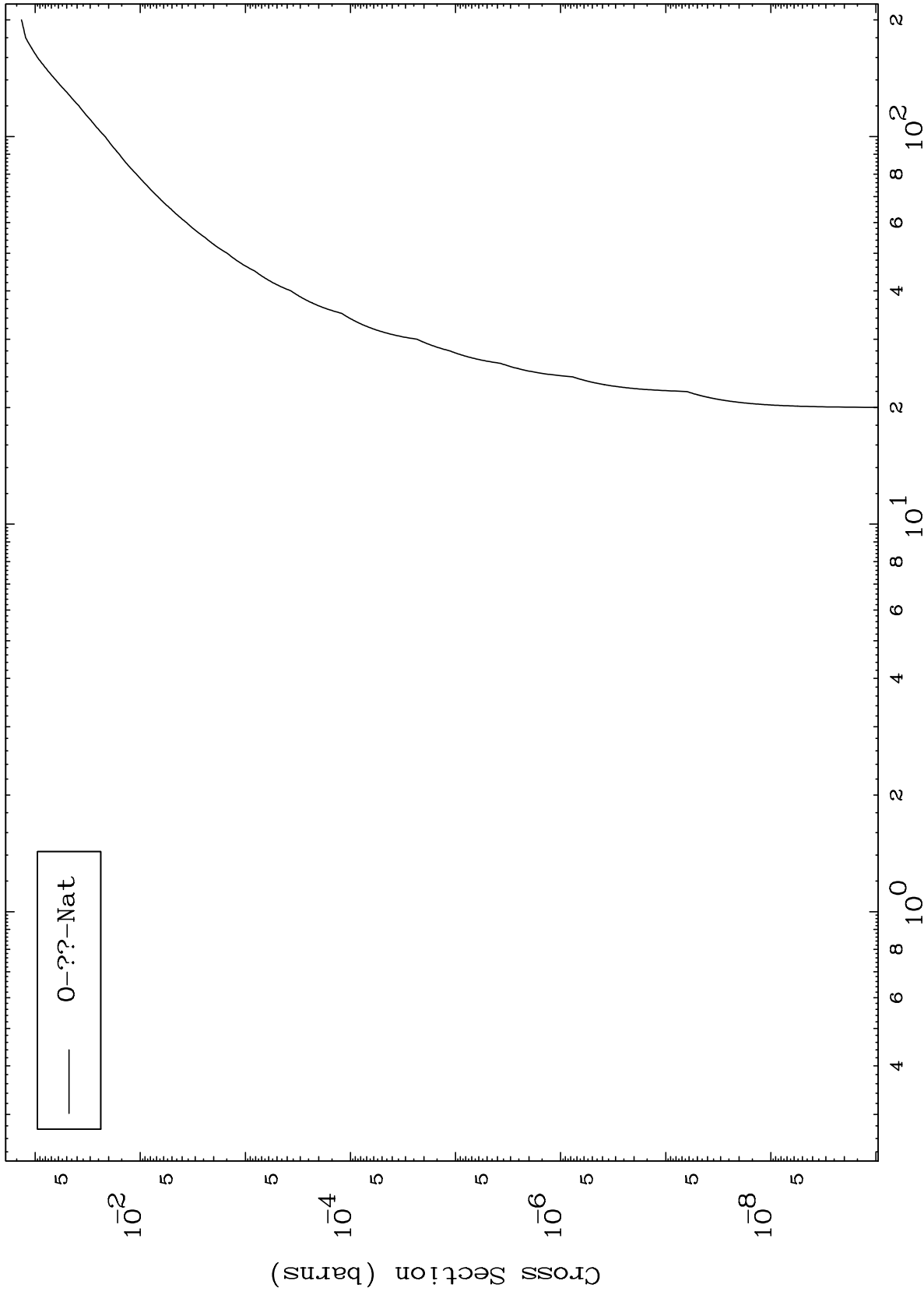
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

Fission
Radionuclide Production Cross Section

⁷⁷Ir-192n



14

Incident Energy (MeV)

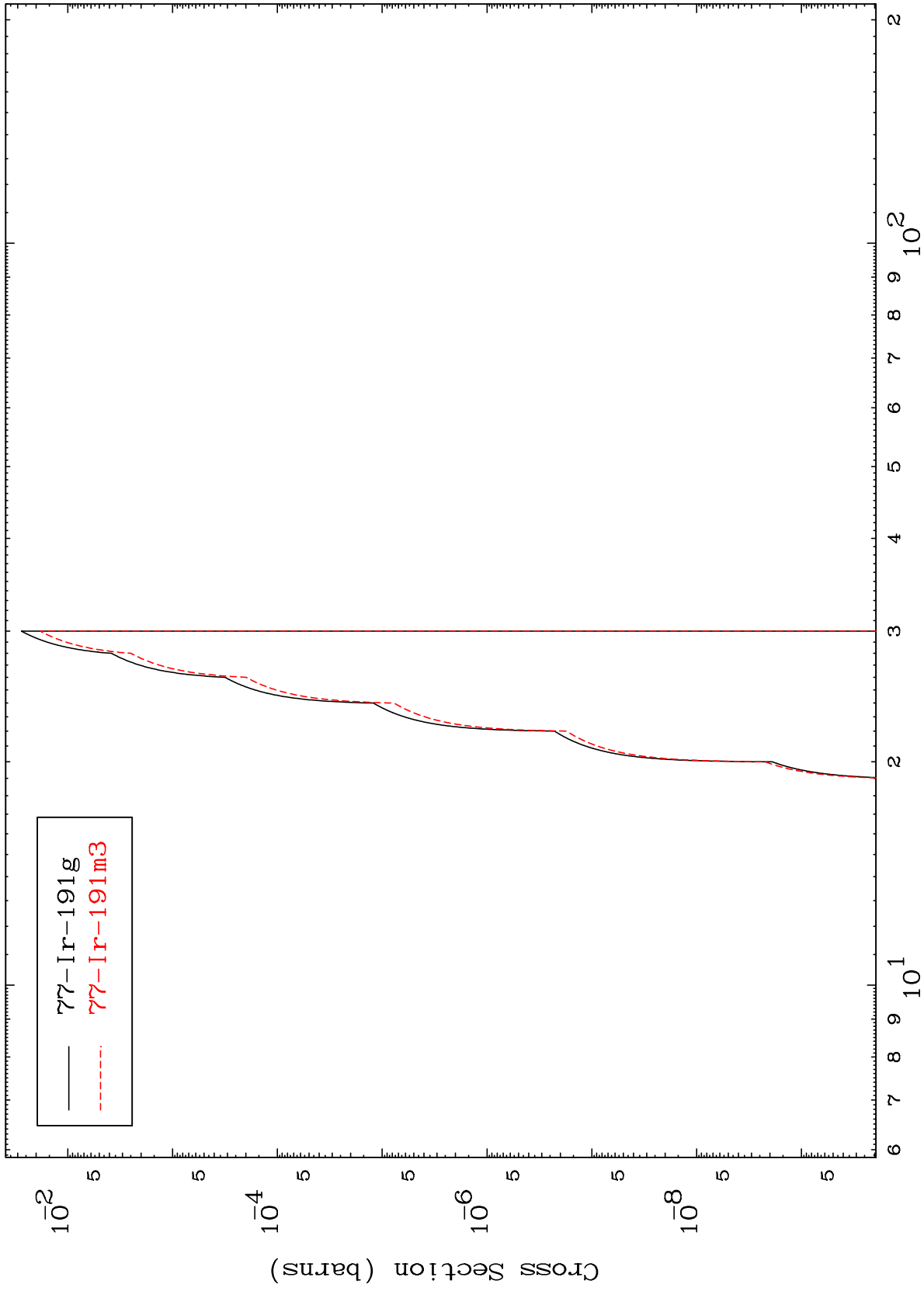
⁷⁷Ir-192n

MAT 7730

(n,n') α

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section

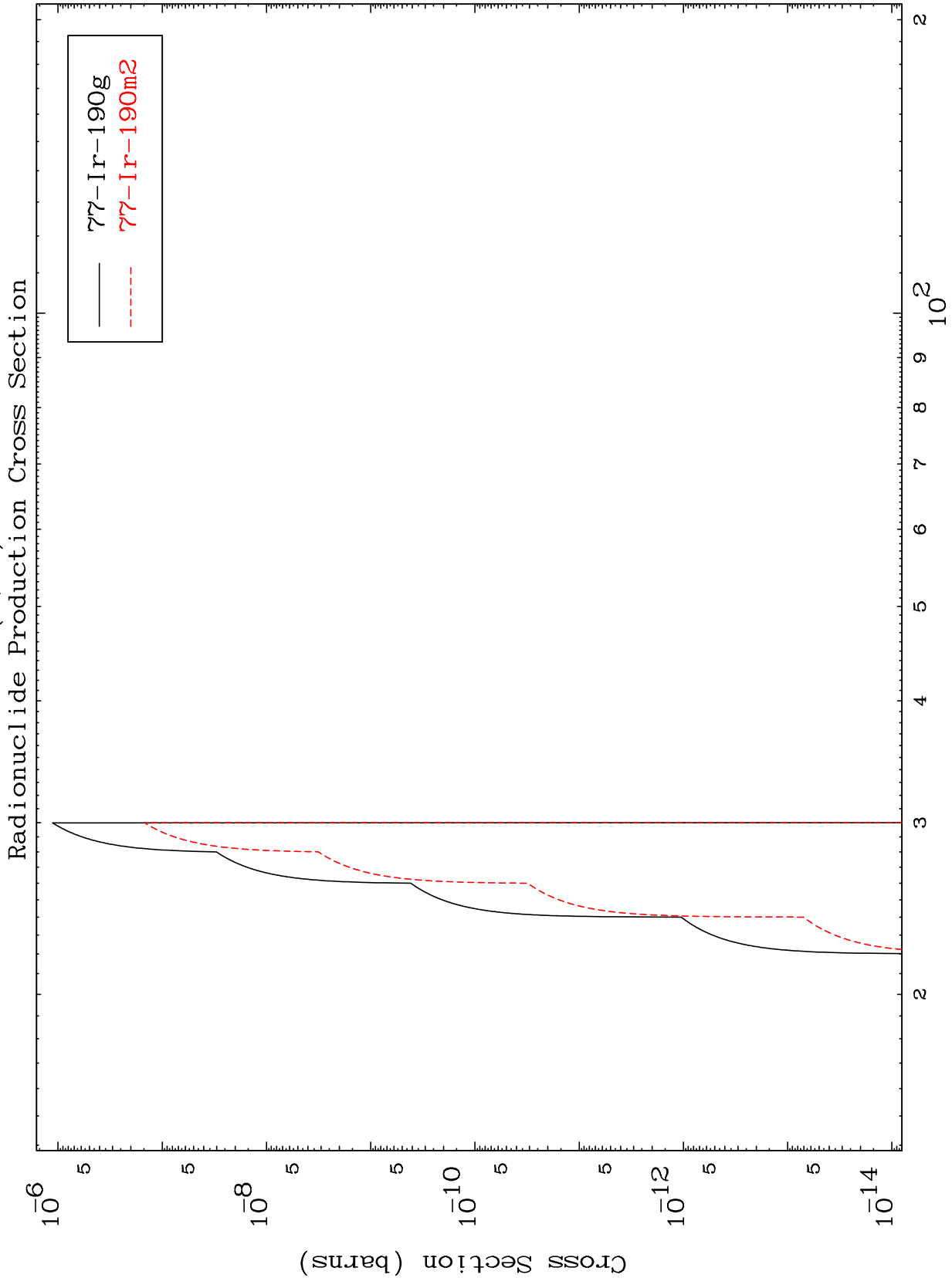


— ⁷⁷Ir-¹⁹¹g
- - - ⁷⁷Ir-¹⁹¹m3

MAT 7730

(n,2n) α

⁷⁷Ir-¹⁹²n



16

Incident Energy (MeV)

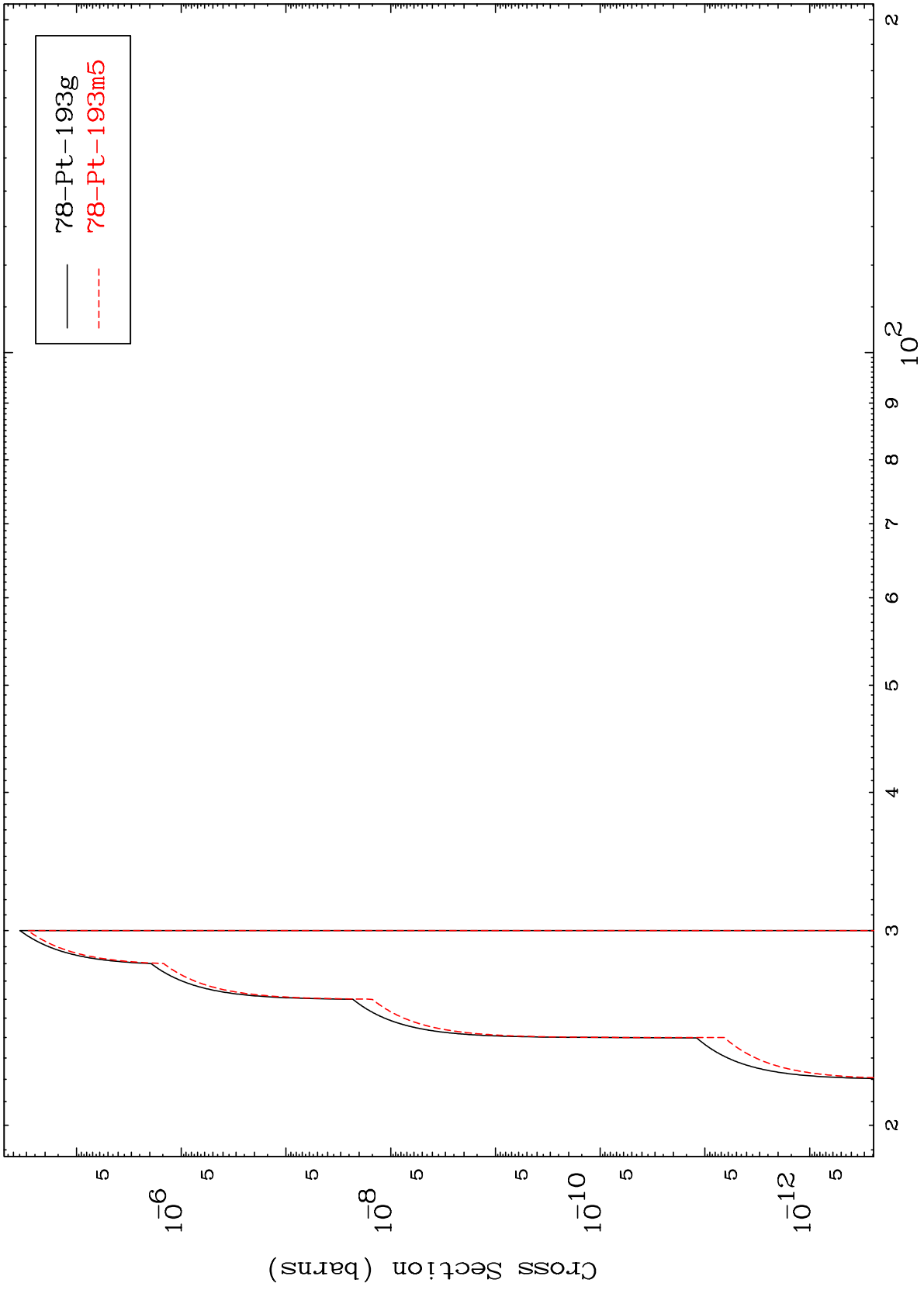
⁷⁷Ir-¹⁹²n

MAT 7730

(n,n') d

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



17

Incident Energy (MeV)

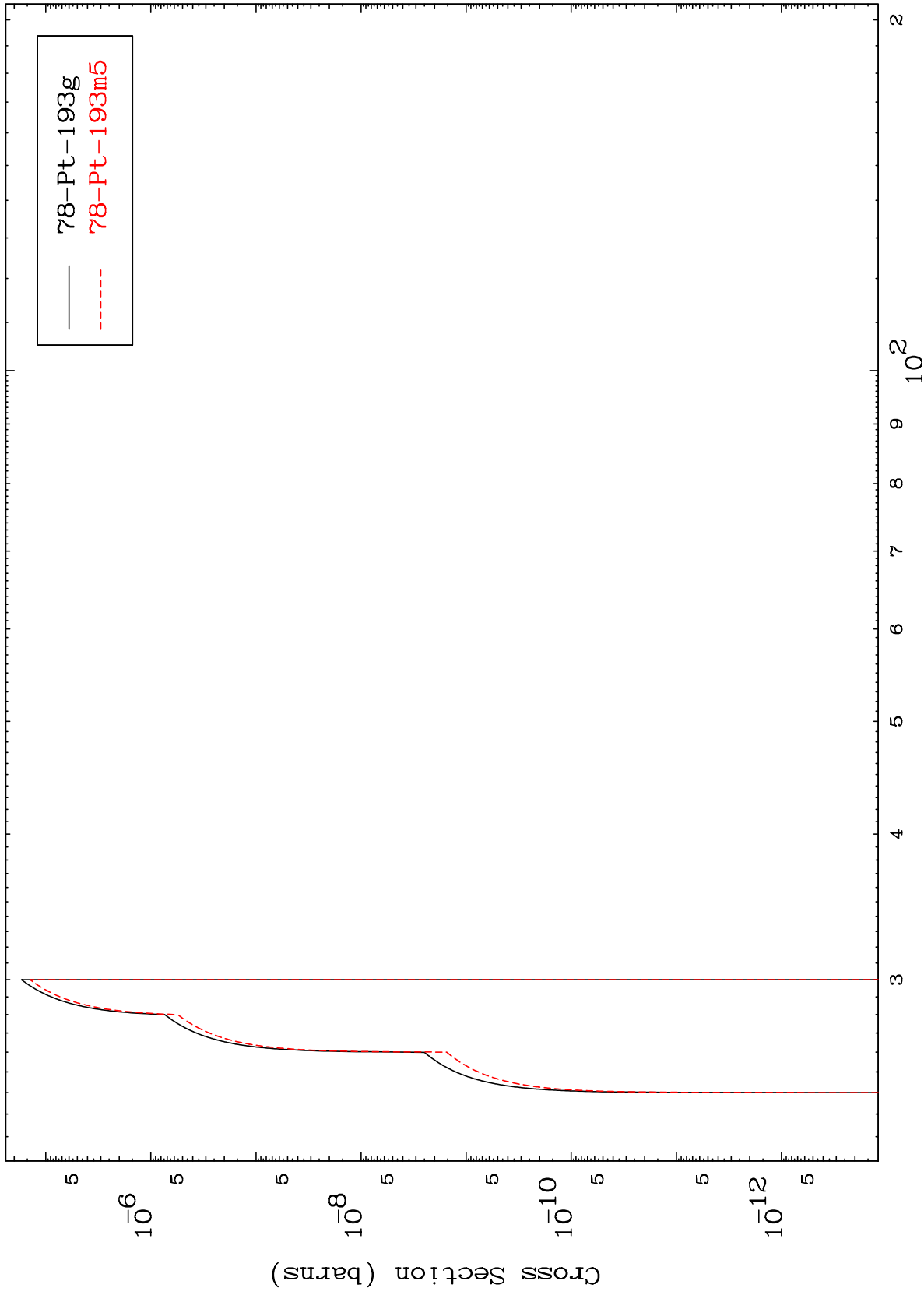
⁷⁷Ir-¹⁹²n

MAT 7730

(n,2n) p

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



18

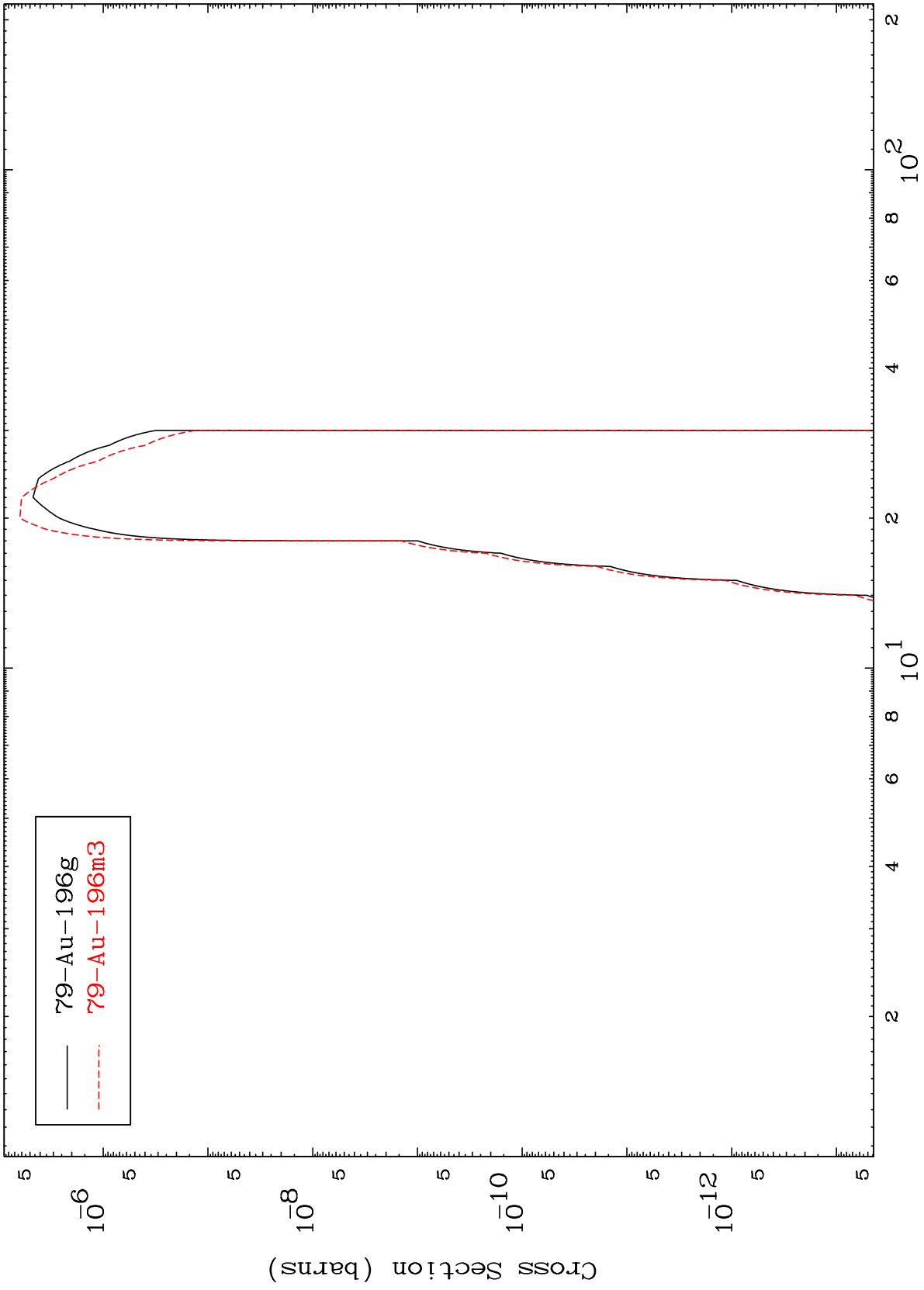
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

Radionuclide Production Cross Section
(n, γ)

$^{77}\text{Ir}-^{192}\text{n}$



19

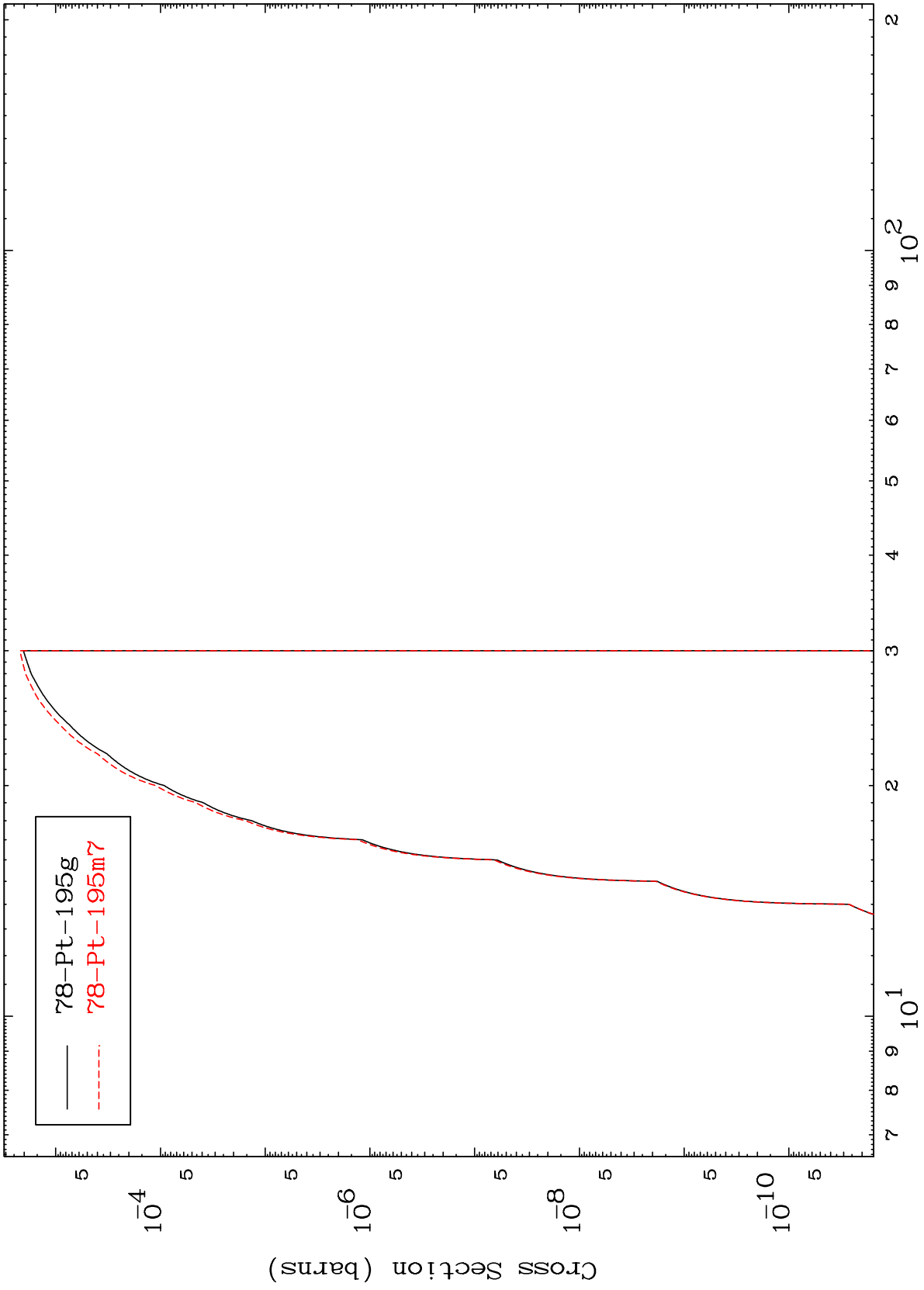
Incident Energy (MeV)

$^{77}\text{Ir}-^{192}\text{n}$

MAT 7730

⁷⁷Ir-¹⁹²n

(n,p)
Radionuclide Production Cross Section



20

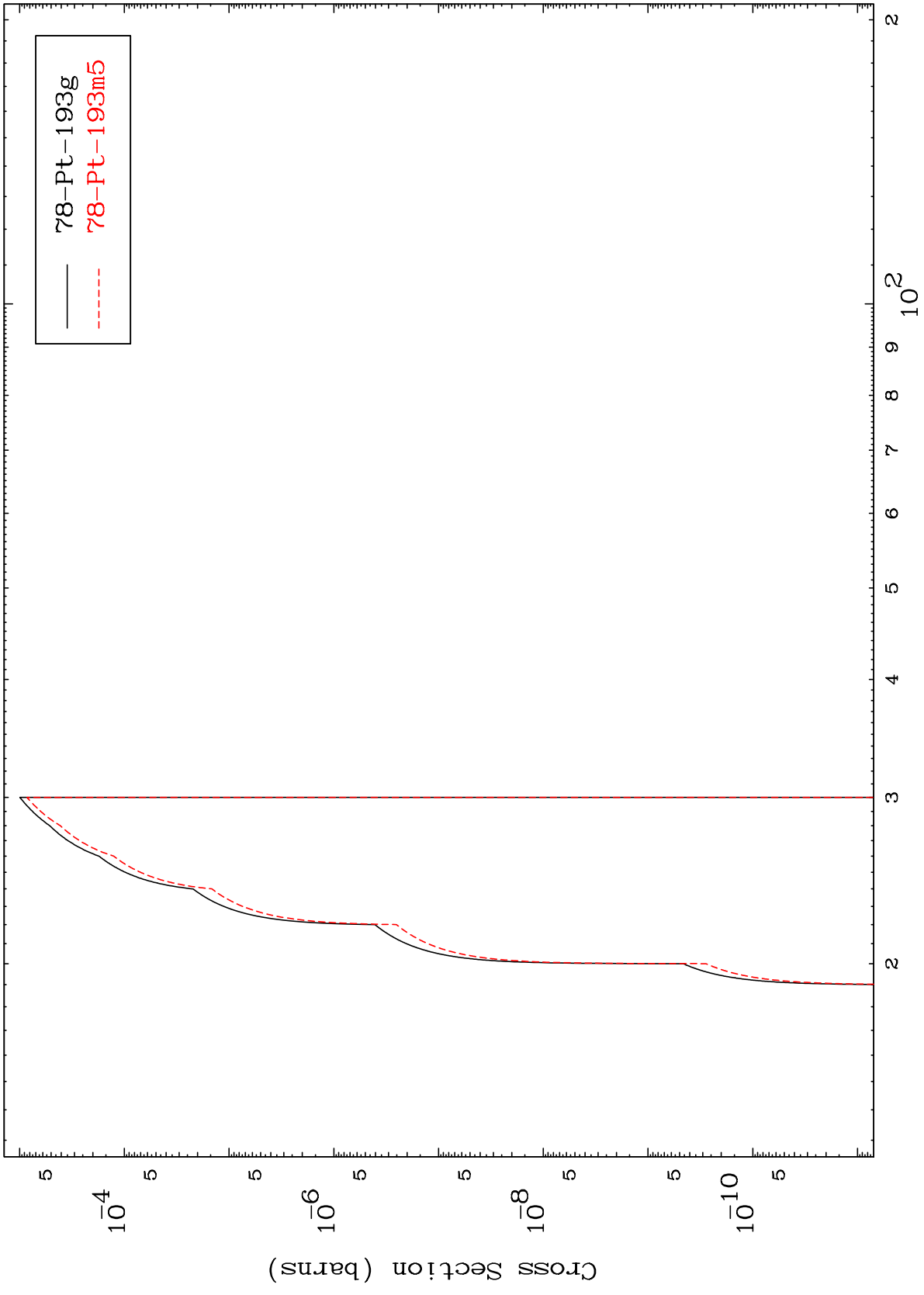
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

⁷⁷Ir-¹⁹²n

(n, t)
Radionuclide Production Cross Section



21

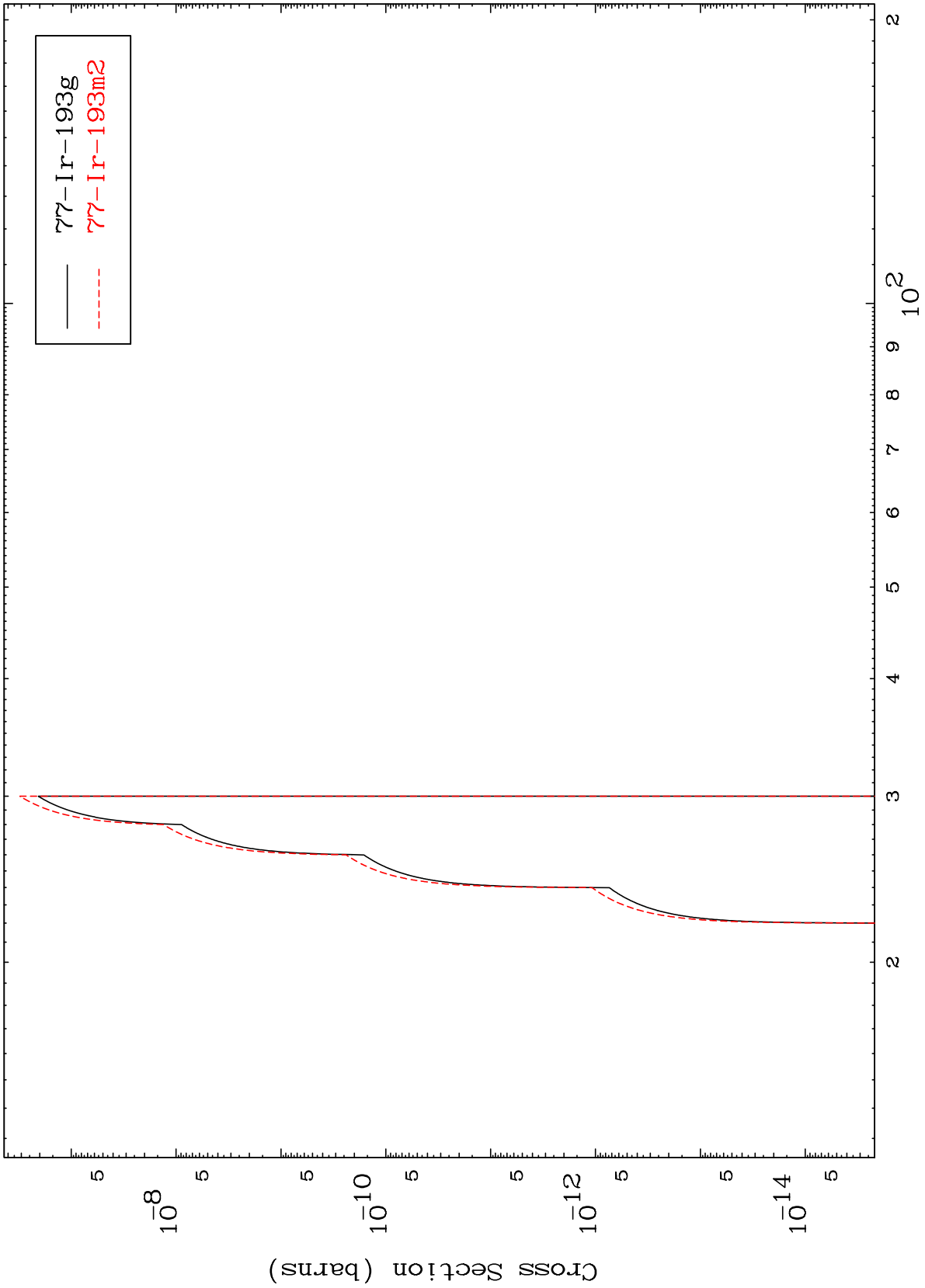
⁷⁷Ir-¹⁹²n

MAT 7730

(n, He-3)

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



22

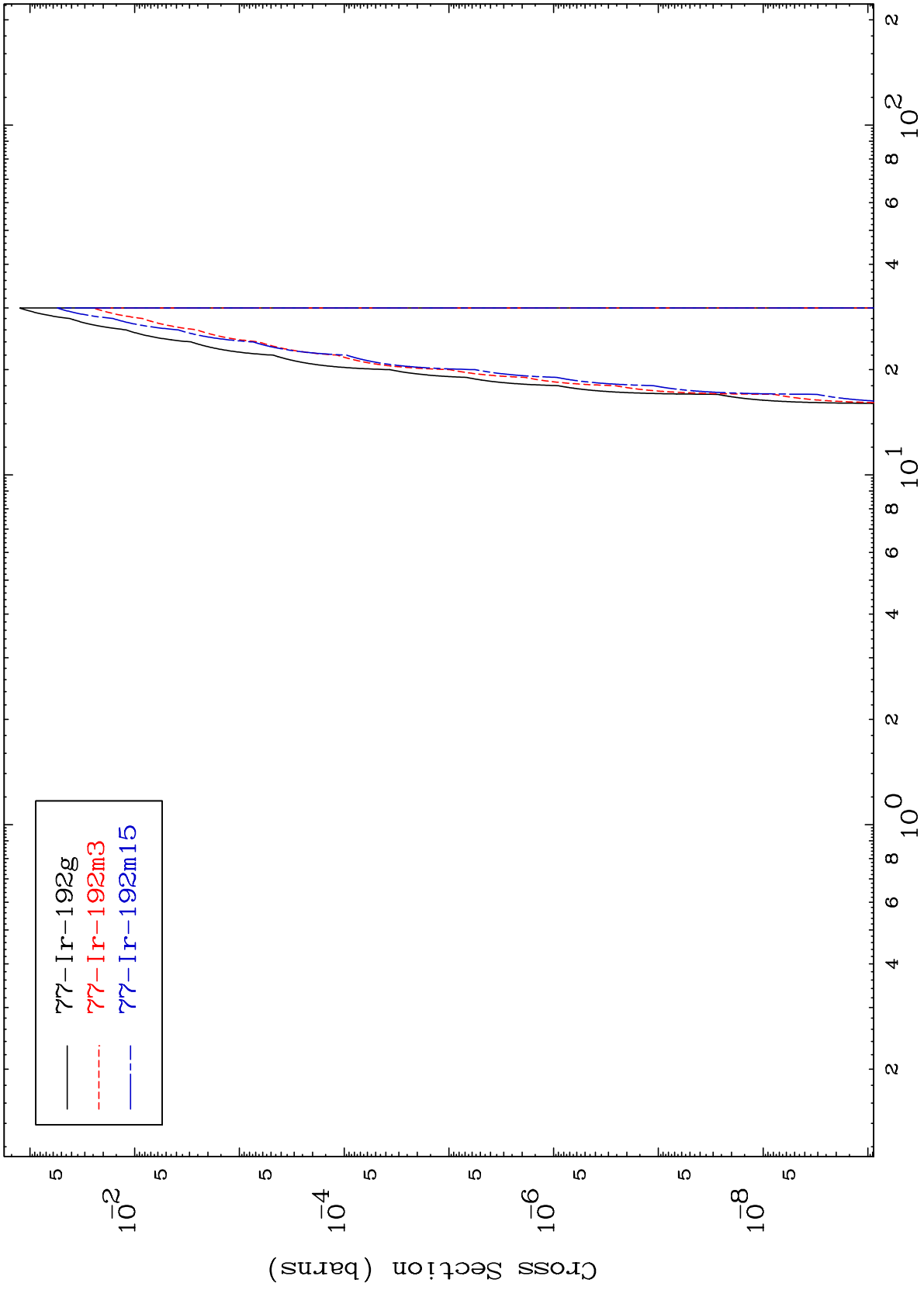
Incident Energy (MeV)

⁷⁷Ir-¹⁹²n

MAT 7730

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



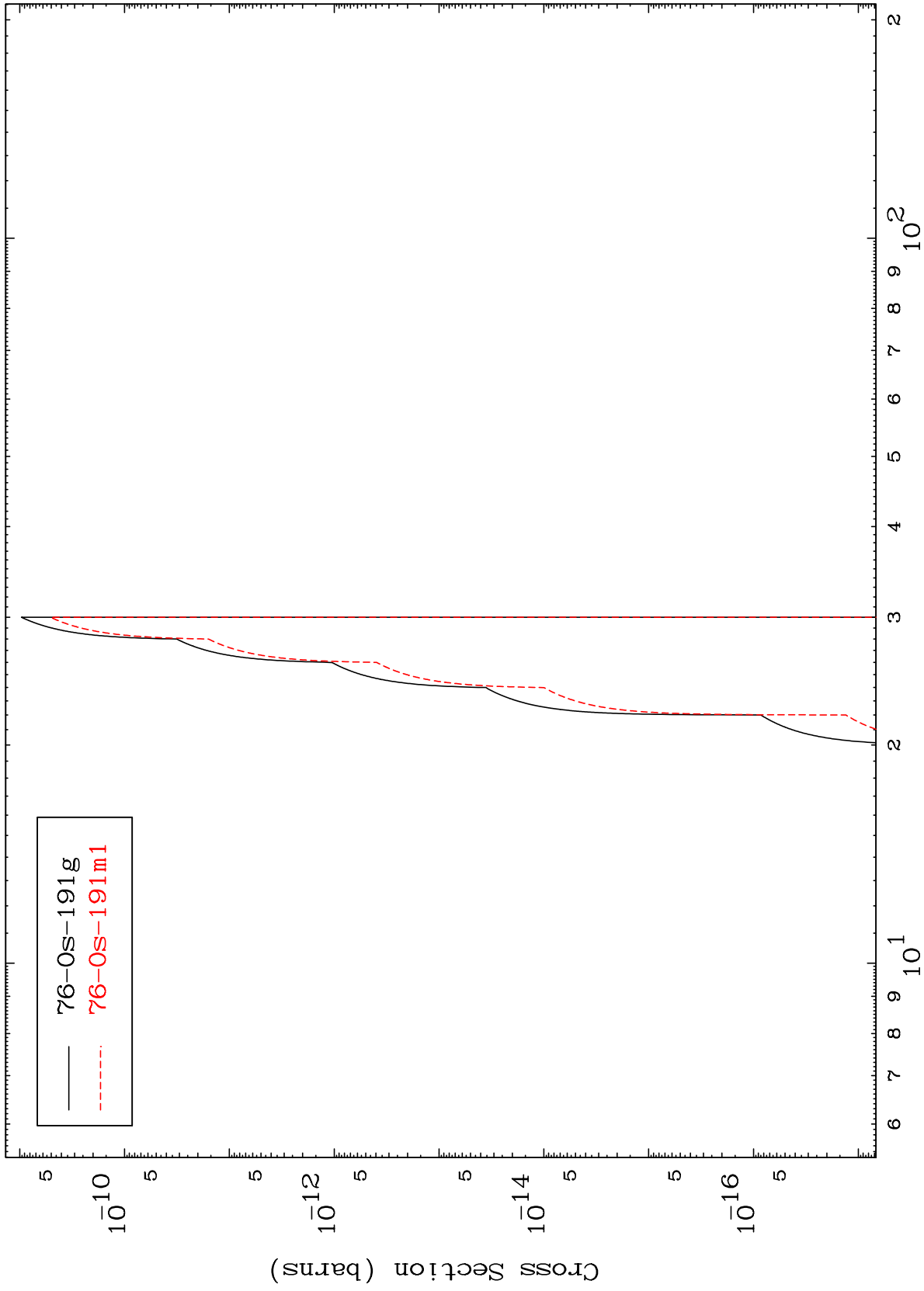
⁷⁷Ir-¹⁹²n

MAT 7730

(n,p) α

⁷⁷Ir-¹⁹²n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

⁷⁷Ir-¹⁹²n